



XRP-4310DB4

128CH SSM Recording Server

Key Features

- Intel Core i7-8700T
- SSM Preinstalled
- Up to 32MP Camera supported
- Server Clustering Support - Max. 132CH
- Recording Bandwidth: Max. 400Mbps
- Playback/Search Bandwidth: Max. 150Mbps
- 16 Bay Support – Enterprise HDD
- Hot Swap Support - Volume 2ea
- 2 HDMI port Support
- RAID 1 / 5 / 6 / 10 / 50 Support
- Redundant Power Support
- Windows 10 IoT Enterprise LTSC on M.2 SSD
- AI Event (Face, Appearance, Face mask, Vehicle) Trigger

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Specifications

Display

Network Camera	Inputs	Max. 128CH(※ If clustering, 132CH)
	Resolution	CIF ~ 32MP
	Protocols	Wisenet, ONVIF
Decoding	Local Display	Dual if Full HD monitor Single if UHD monitor
	Multi Screen Display	1/4/9/16/25/36/49/64/72/81/100/121/132/Custom/Auto Mode
	Resolution	1920fps@640x360 (128 division) 2160fps@720p (72 division) 1080fps@1080p (36 division)

Performance

Operating System		Windows 10 IoT Enterprise LTSC (SSM preinstalled)
Record	Compression	H.265, H.264, MJPEG, WiseStream(H.264, H.265)
	Recording Bandwidth	Max 400Mbps
	Resolution	CIF ~ 32MP
	Mode	Normal, Schedule (Continuous / Event), Event (Pre / Post), Event Profile, ARB, Dual-Track
	Event Trigger	Video loss, Camera event(Sensor, MD, Passing, Entering, Exiting, Disappearing (Appearing), Tampering, Tracking, Face Detection, Audio Detection, ANPR, Bestshot), AI Event (Face, Appearance, Face mask, Vehicle)
	Event Action	Instant Viewer, Preset, Alarm Out, Pop-up, Sound and E-mail notification
Search & Play	Playback Bandwidth	Max. 150Mbps
	User	Max. 1024 Users (132Ch concurrently)
	Simultaneous Playback	Max 128ch(*if clustering, 132ch)
	Fisheye Dewarping	Console
Storage	Supported HDD	Up to 10TB
	HDD Slot	SATA 16ea (3.5" 16ea Hot Swap - Volume 2ea) Enterprise HDD (6TB,8TB,10TB)
	RAID	1/5/6/10/50
Backup	File backup	AVI, SEC
	Function	Manual Backup, Onetime Schedule Backup , Schedule Backup , Privacy Masking Backup

Network

Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, SNMP(Client), HTTPS, ONVIF (Profile-S), SUNAPI(Client)
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Network

DDNS		Wisenet DDNS
Audio	Input/Output	128CH(network)
	Compression	G.711 u-law(PCM), G723, G726(ADPCM), AAC
	Audio Communication	2-Way
Max Remote Users		1024(Tested)
Security		HTTPS(SSL) Login Authentication, Digest Login Authentication, IP Address Filtering, User access log, Device Certificate(Hanwha Techwin Root CA)
Viewer Software		SSM Client, Wisenet Mobile

Functions

Camera Setup	Item	Automatic device IP scanning, Add profile edit, Resolution, Fisheye dewarping mode, Hallway View Setup, Brightness/Contrast, Viewing the device settings(Device webpage), Exporting/Importing devices settings,, Updating the device firmware
PTZ	Control	Via GUI, Controller(SPC-2000, SPC-7000)
	Preset	300
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI)
	Control	Live(Multi-Profile Support), Playback
	Max. Remote Users	Max. 1024 Users (132Ch concurrently)
Redundancy	Failover	Active&Active, Active-Standby
	ARB	Support

Interface

Front	LED(Status Indicator) Power, Network, HDD, Record, Backup, Alarm
HDD Key Lock	Yes
HDMI	2EA
Audio	Audio Out 1EA(3.5mm Audio jack), Audio In(USB Mic)
Ethernet	Gigabit Ethernet RJ-45 (1000 Base-T) 3ea
USB	4EA(USB 3.0 2ea, USB 2.0 2EA)
Power inlet	AC 2EA

System

System Control	Mouse, Keyboard
Language	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese

Environmental

CPU	Intel Core i7-8700T
Memory	16GB RAM
OS HDD	M.2 SSD 128Gb

Environmental

Operating Temperature	+0°C to +40°C(+32°F to +104°F)
Operating Humidity	Less or equal to 80%

Electrical

Power Input	100 ~ 240V AC, 50 ~ 60Hz
Power Consumption	285W Dual

Mechanical

Color / Material	Black/Metal
Dimension(WxHxD)	440.0x132.0x548.1mm(Including Cover: 571.1mm)
Weight	14.05kg (w/o HDD)

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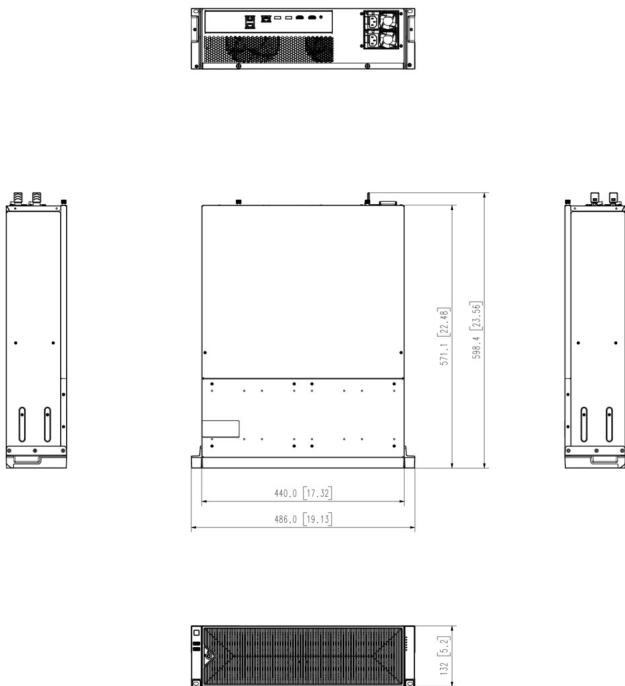
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CAD

Unit: mm [inch]

This parts should not contain any substances which are specified in AB00-003K



Appearance Drawing
XRP-4310DB4
Unit : mm[inches]